



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

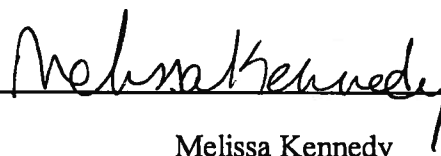
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010635
CERTIFICATION DATE: September 19, 2013
DATE RECERTIFICATION DUE: March 18, 2014

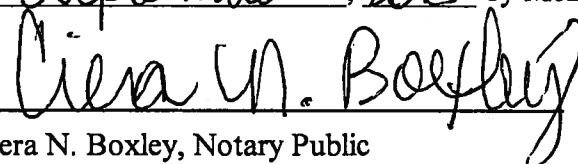
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

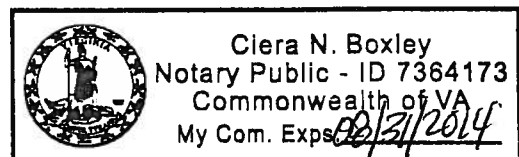
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 26th day of
September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/20/2013

HMS
RJP

Instrument Serial Number: 010635

As of 20-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
19-Sep-13	19-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
10-Apr-13	10-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
24-Oct-12	24-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
09-May-12	09-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
16-Nov-11	16-Nov-11	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
06-Jun-11	06-Jun-11	RJP (22428)	CERTIFIED.
20-Dec-10	20-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
07-Jul-10	07-Jul-10	RJP (22428)	CERTIFIED
20-Jan-10	20-Jan-10	RJP (22428)	CERTIFIED
04-Aug-09	04-Aug-09	RJP (22428)	CERTIFIED.
16-Apr-09	16-Apr-09	RJP (22428)	CERTIFIED.
02-Apr-09	02-Apr-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HMS
MSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010635** Worksheet Start Date **9/19/2013**

Location **Fort Myer**

Address **108 Sheridan Ave., Building 415, Fort Myer, VA 22211**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	20
Keyboard		Certificates of Analysis	20
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010635

Certification Date 9/19/2013

Instrument Barometer (mm HG) 761

Reference Barometer (mm HG) 762

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.247
0.250	0.250	0.242	0.257	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0.001		0.246	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-29

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Heather W. Stach

Date

9/20/13

Issuing Analyst

Melissa Kennedy

Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

the
risk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/19/2013
TEST EQUIPMENT NUMBER 010635		

RESULTS: TIME SAMPLE TAKEN 10:09 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Sep 2013 at 10:19

122
HHS
NHL

Test Results

Instrument Serial Number 010635

Test # 000241 Subject Test

Test Location 1 Department of
Test Date 19 Sep 2013

Test Location 2 Forensic Science
Test Time 10:03
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 19 Sep 2013 End Time 10:10

Result Time 10:09

Result Date 19 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:03

Data Type BLK

Sample Value 0.000

Sample Time 10:04

Data Type CHK

Sample Value 0.102

Sample Time 10:05

Data Type BLK

Sample Value 0.000

Sample Time 10:06

Data Type SUBJ

Sample Value 0.000

Sample Time 10:07

Data Type BLK

Sample Value 0.000

Sample Time 10:08

Data Type SUBJ

Sample Value 0.000

Sample Time 10:09

Data Type BLK

Sample Value 0.000

Sample Time 10:10

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG129004-05

Standard Expiration Date 10/17/2013

Tank Pressure 125

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.50 sec

Blow Volume 1722 cc End-of-Blow Time 10:07

Blow Sample Number 2 Blow Duration 3.66 sec

Blow Volume 1719 cc End-of-Blow Time 10:09

Tamper Evident Stamp 58662516

Test Status Code 0

Test Status Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010635

System Date: 09/19/2013

System Time: 10:34 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

WMS
WMS

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010635 Test Number: 242

Test Date: 09/19/2013 Test Time: 10:37 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 708 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:37
CAL	0.100	10:38

Test Status: Success

Calibration CRC: F73C810A

HMS
WDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 243

Test Date: 09/19/2013 Test Time: 10:41 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.250

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 703 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:41
BLK	0.000	10:42
CHK	0.247	10:42
BLK	0.000	10:44
CHK	0.246	10:44
BLK	0.000	10:46
CHK	0.246	10:47
BLK	0.000	10:48

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 244

Test Date: 09/19/2013 Test Time: 10:50 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 203 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:50
BLK	0.000	10:51
CHK	0.150	10:52
BLK	0.000	10:53
CHK	0.150	10:54
BLK	0.000	10:55
CHK	0.150	10:56
BLK	0.000	10:57

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Handwritten initials: HMS

Handwritten initials: WSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 245

Test Date: 09/19/2013 Test Time: 10:58 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 06512080I2-04 Exp Date: 04/01/2014

Tank Pressure: 232 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:59
BLK	0.000	10:59
CHK	0.080	11:00
BLK	0.000	11:01
CHK	0.080	11:02
BLK	0.000	11:03
CHK	0.080	11:04
BLK	0.000	11:05

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
nsk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 246

Test Date: 09/19/2013 Test Time: 11:06 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 291 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:07
BLK	0.000	11:08
CHK	0.019	11:08
BLK	0.000	11:09
CHK	0.019	11:10
BLK	0.000	11:11
CHK	0.019	11:12
BLK	0.000	11:13

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

ANS
PSE

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 247

Test Date: 09/19/2013 Test Time: 11:16 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 375 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:17
CHK	0.300	11:17
BLK	0.000	11:19
CHK	0.300	11:20
BLK	0.000	11:22
CHK	0.299	11:23

Test Status: *Success*

Calibration CRC: F73C810A

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 248

Test Date: 09/19/2013 Test Time: 11:25 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-29 Exp Date: 06/12/2015

Tank Pressure: 1120 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:25
CHK	0.099	11:26
BLK	0.000	11:28
CHK	0.099	11:29
BLK	0.000	11:30
CHK	0.099	11:31

Test Status: *Success*

Calibration CRC: F73C810A



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: HNS and ASK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/19/2013
TEST EQUIPMENT NUMBER 010635		

RESULTS: TIME SAMPLE TAKEN 11:38 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 20 Sep 2013 at 09:11

Handwritten initials/signature

Test Results

Instrument Serial Number 010635

Test # 000249

Subject Test

Test Location 1 Department of
Test Date 19 Sep 2013

Test Location 2 Forensic Science
Test Time 11:32
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 19 Sep 2013 **End Time** 11:39

Result Time 11:38

Result Date 19 Sep 2013 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:32

Data Type BLK

Sample Value 0.000

Sample Time 11:33

Data Type CHK

Sample Value 0.099

Sample Time 11:34

Data Type BLK

Sample Value 0.000

Sample Time 11:35

Data Type SUBJ

Sample Value 0.000

Sample Time 11:36

Data Type BLK

Sample Value 0.000

Sample Time 11:37

Data Type SUBJ

Sample Value 0.000

Sample Time 11:38

Data Type BLK

Sample Value 0.000

Sample Time 11:39

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-29

Standard Expiration Date 06/12/2015

Tank Pressure 1120

Barometric Pressure 761 mmHg

Blow Sample Number 1 **Blow Duration** 3.64 sec

Blow Volume 1744 cc **End-of-Blow Time** 11:36

Blow Sample Number 2 **Blow Duration** 3.61 sec

Blow Volume 1749 cc **End-of-Blow Time** 11:38

Tamper Evident Stamp b559c4cd

Test Status Code 0

Test Status Success